

The state of the s

FIG. 3

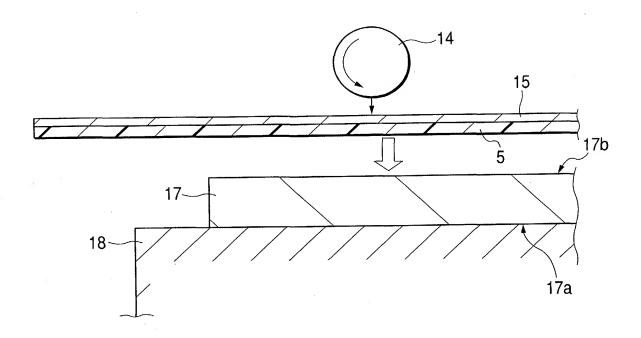
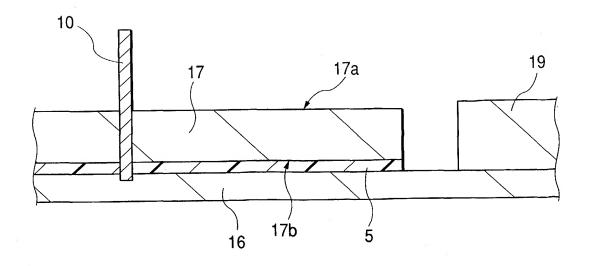


FIG. 4



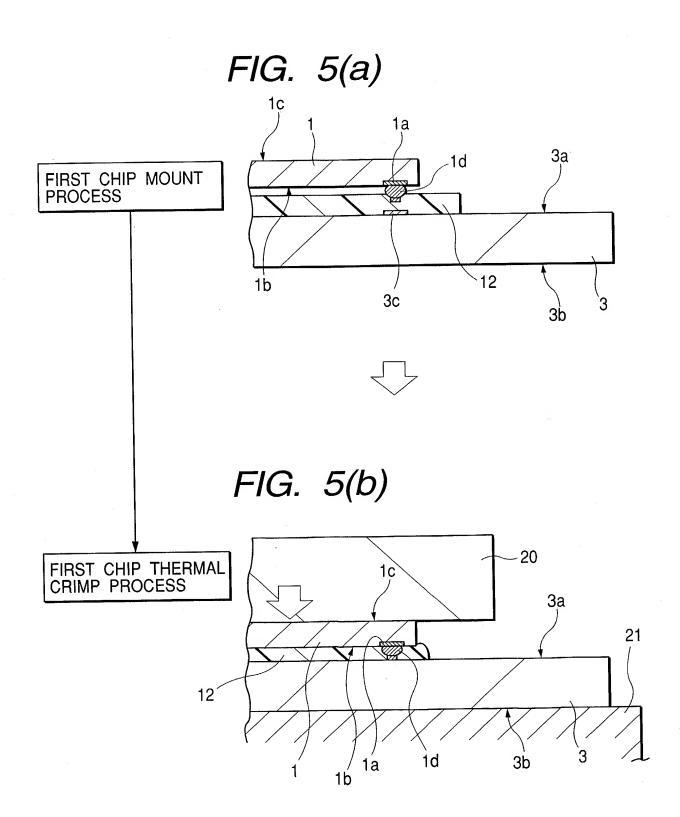
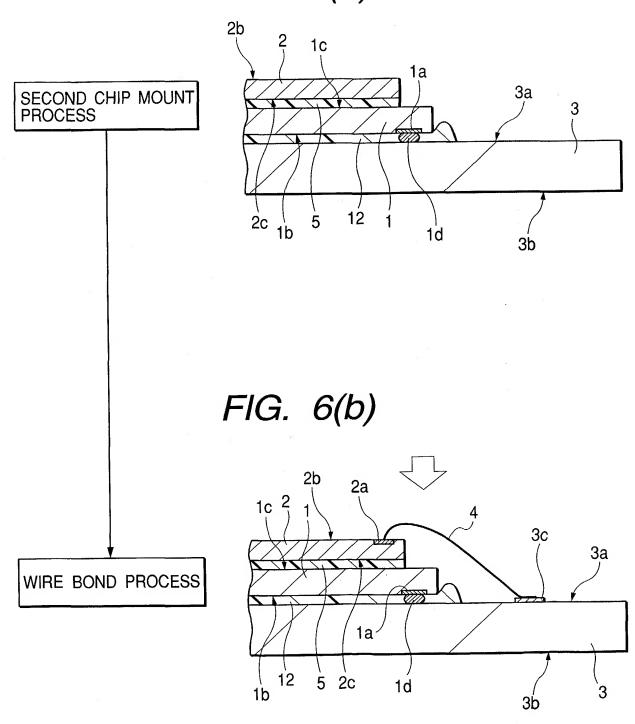
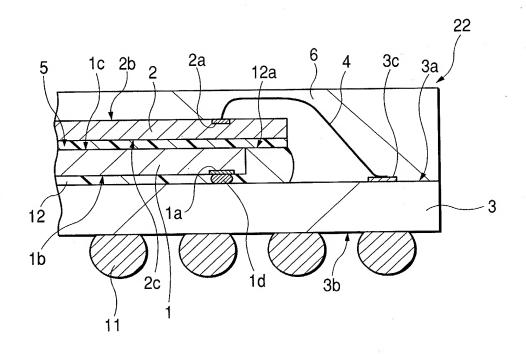
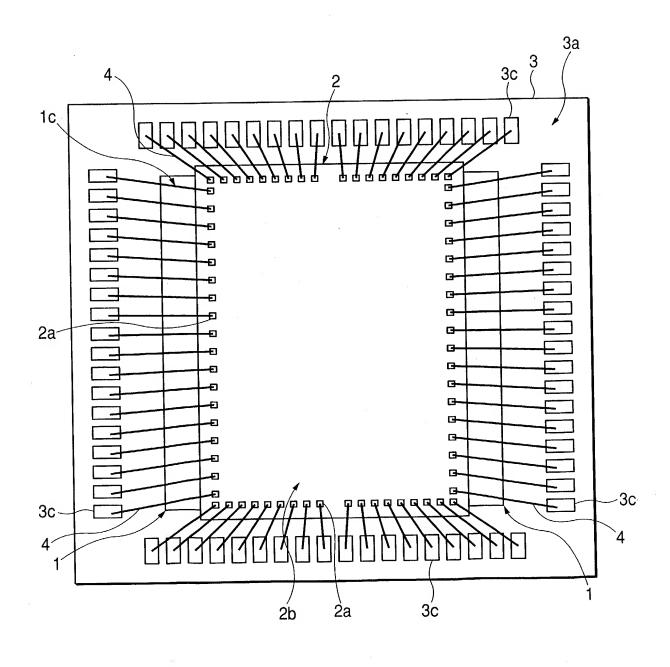


FIG. 6(a)







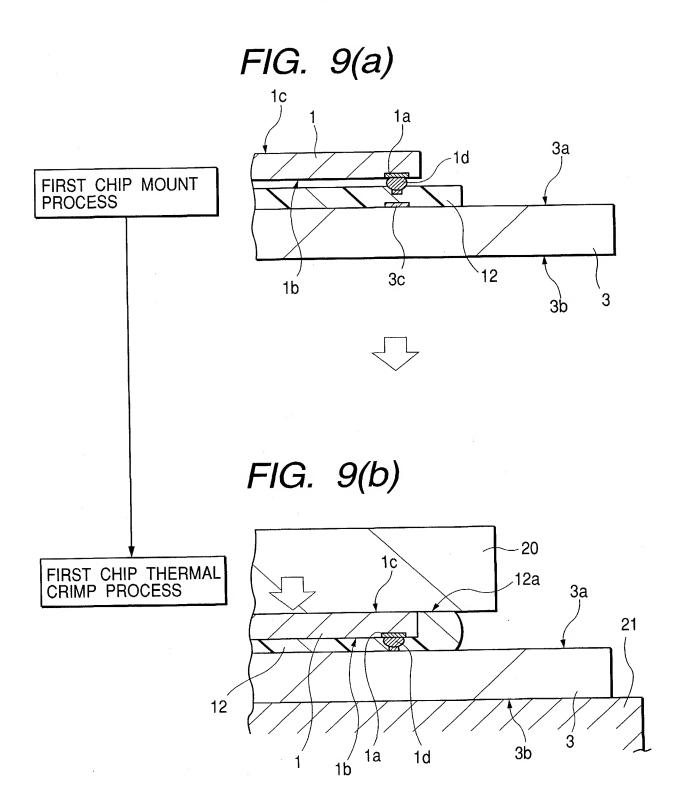
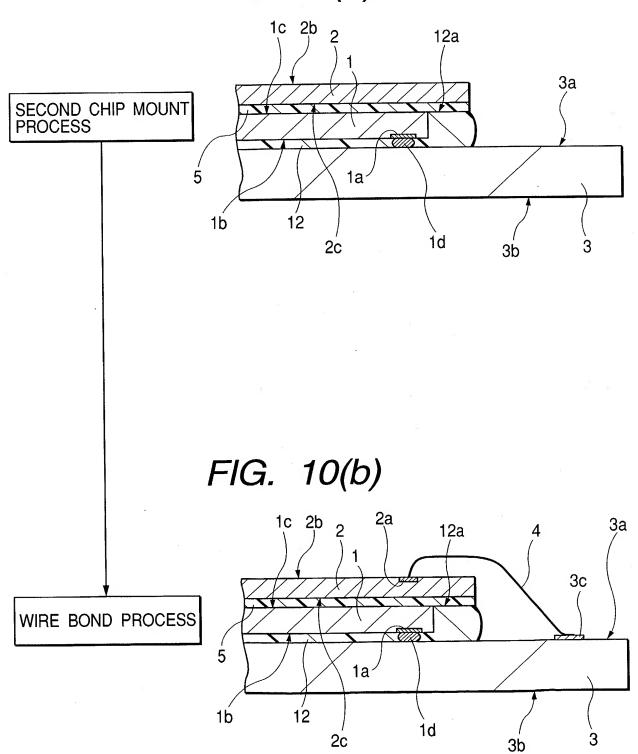
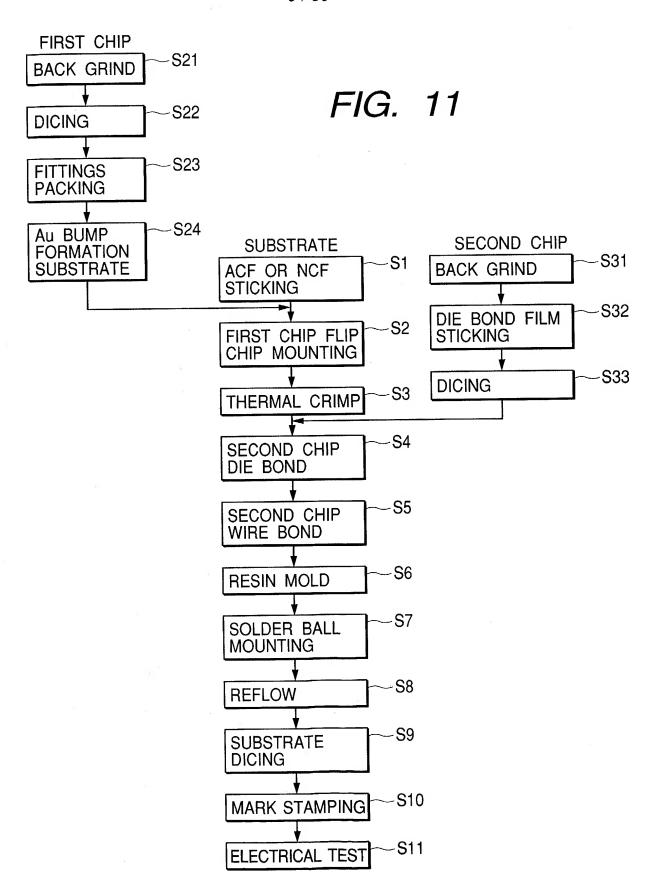


FIG. 10(a)





	PRC	OCESS
PROCESS FLOW	NO.	PROCESS NAME
1	1	FIRST CHIP
$\stackrel{\smile}{\nabla}$	2	BACK GRIND
$\frac{1}{7}$ $\diamondsuit 2$ $\frac{4}{3}$	3	DICING, FITTINGS PACKING
$\sqrt{}$ $\frac{9}{\sqrt{5}}$ $\sqrt{\frac{3}{5}}$	4	BUMP Au WIRE
$\delta_8 \nabla \Phi_5$	5	BUMP BONDING
\bigcirc 10 \bigcirc 6	6	EXTERNAL INSPECTION
Q 11 12	7	BUMP BONDING
13 7	8	SUBSTRATE BAKE
	9	CHIP MOUNT RESIN FILM
15	10	CHIP MOUNT RESIN FILM STICKING
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	11	CHIP MOUNT, CRIMP
Q 17 <u>18</u>	12	SECOND CHIP
1 🛆	13	BACK GRIND
○ 19 21 ○ 20 ▽	14	CHIP MOUNT RESIN FILM
♦ 20 ∀	15	CHIP MOUNT RESIN FILM STICKING
Q22 <u>23</u>	16	DICING
	17	DIE BOND
Q 24	18	Au WIRE
$\phi \overline{25}$	19	WIRE BOND
♦26	20	EXTERNAL INSPECTION
Q 27	21	SEAL RESIN
Q 28	22	MOLD
 	23	SOLDER BALL
♦30	24	BALL MOUNTING
4 31	25	CLEANING
\vdash	26	EXTERNAL INSPECTION
	27	SUBSTRATE DICING
	28	MARK
	29	ELECTRICAL TEST
	30	EXTERNAL INSPECTION
	31	PACKING

FIG. 13

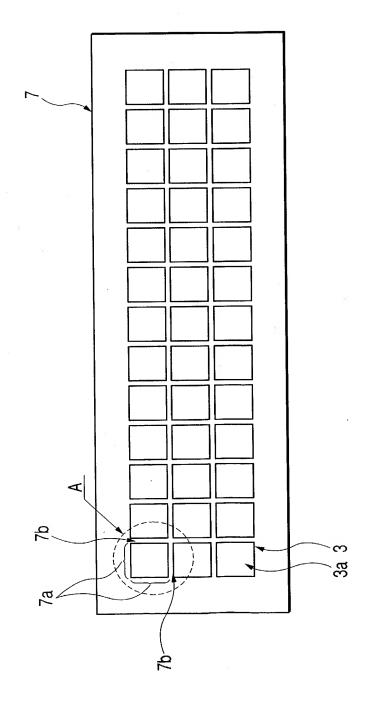
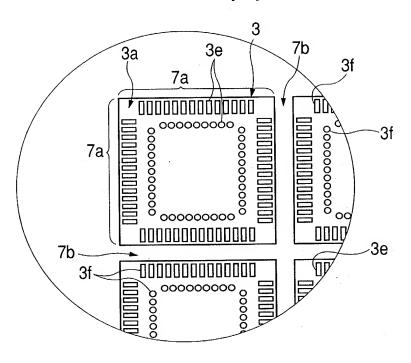


FIG. 14(a)



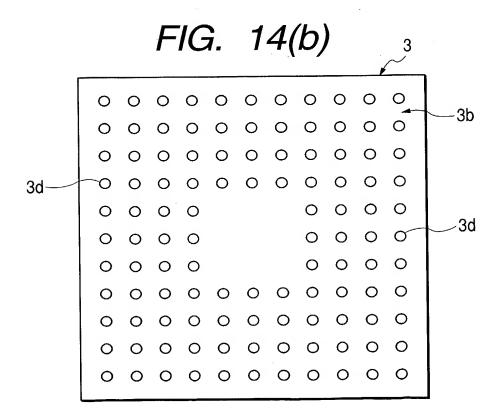


FIG. 15(a)

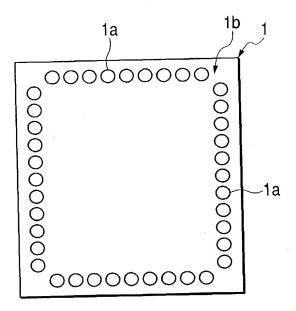


FIG. 15(b)

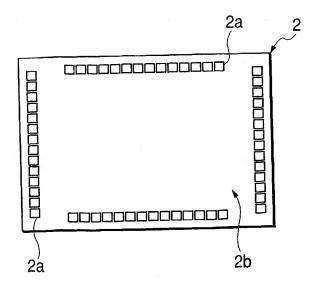


FIG. 16(a)

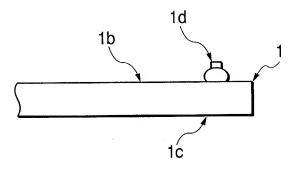
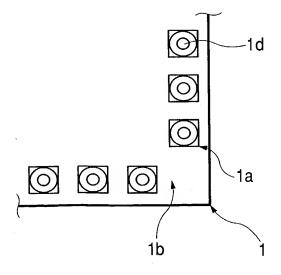


FIG. 16(b)



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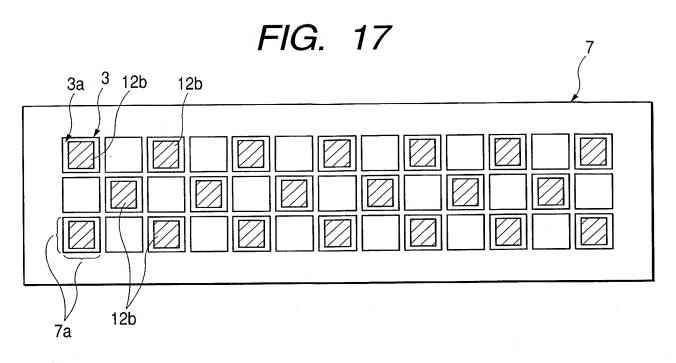


FIG. 18(a)

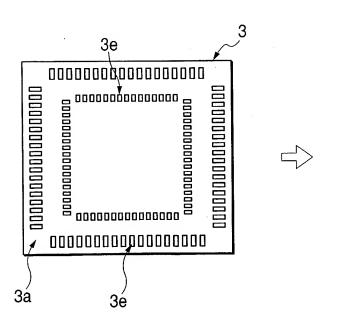
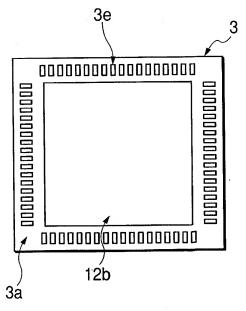


FIG. 18(b)



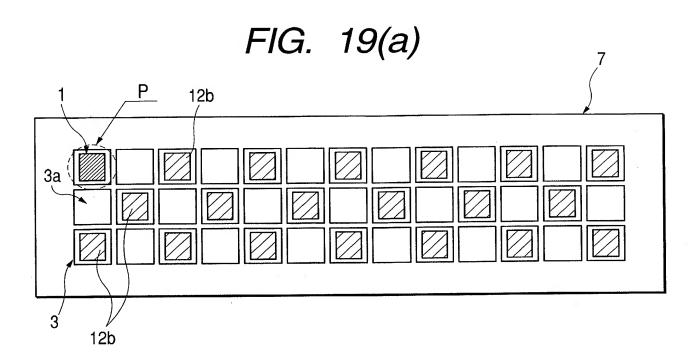


FIG. 19(b)

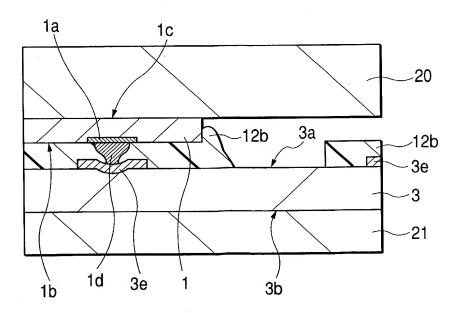


FIG. 20(a)

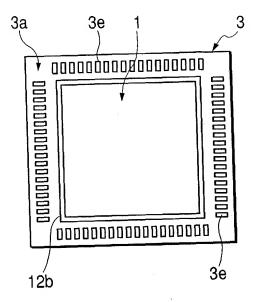
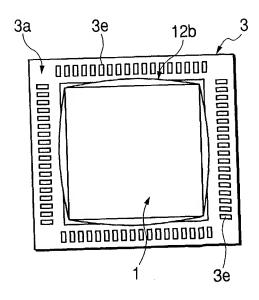
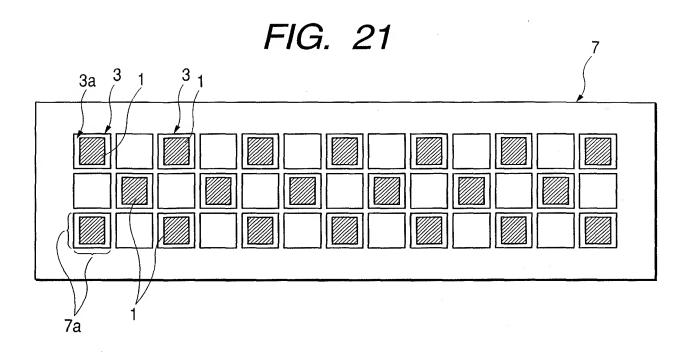
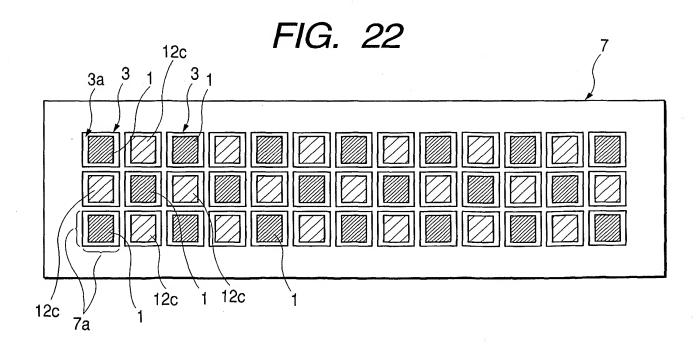


FIG. 20(b)







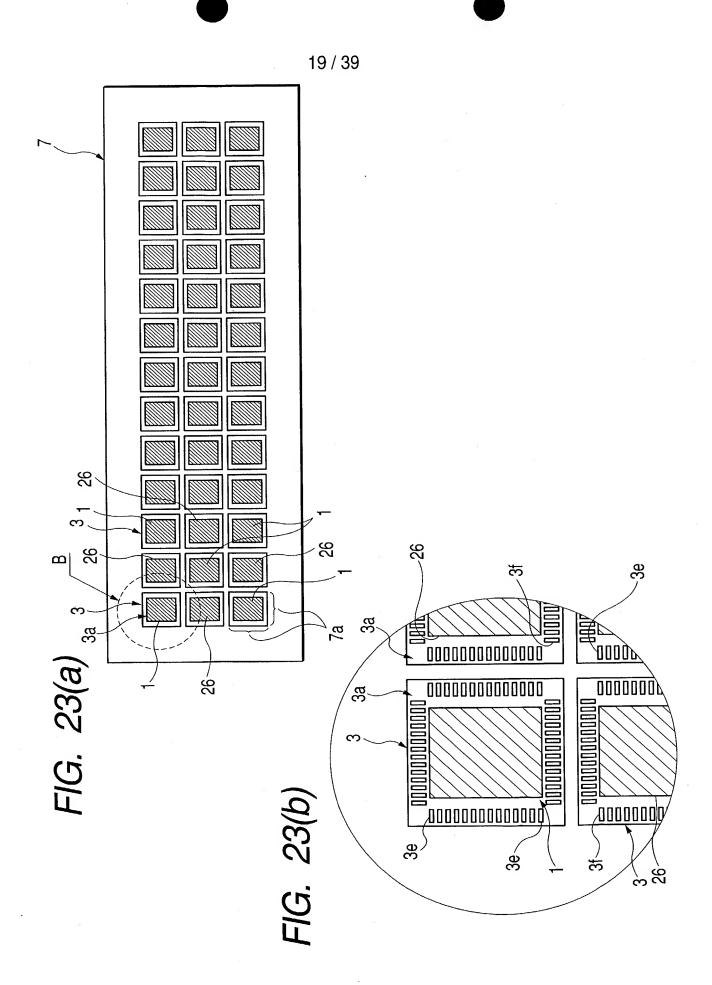
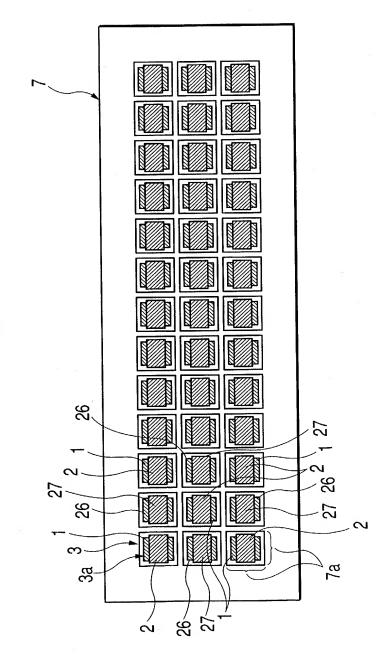


FIG. 24



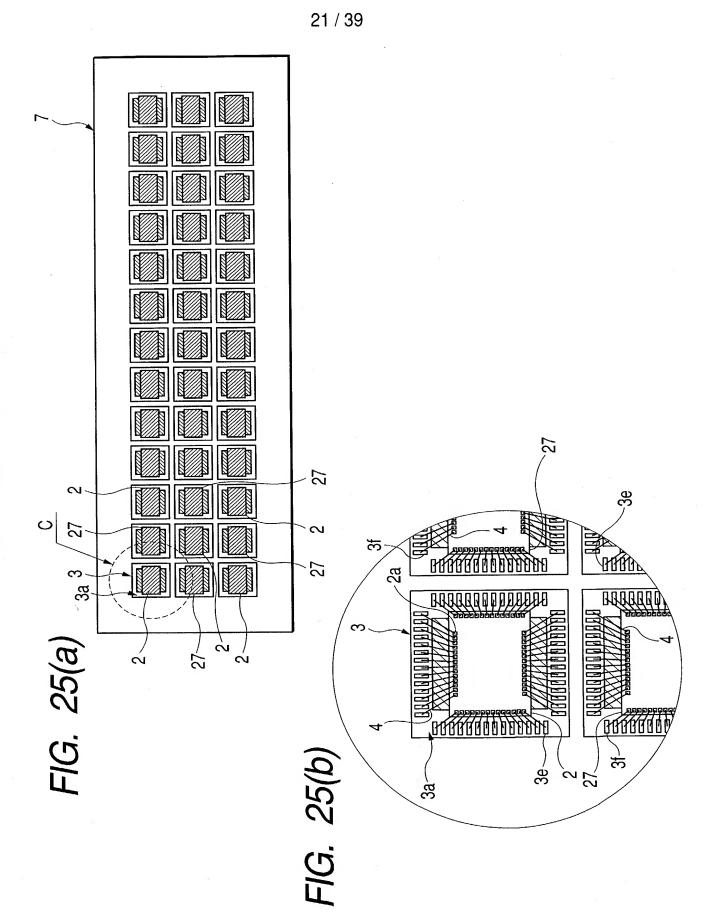


FIG. 26(a)

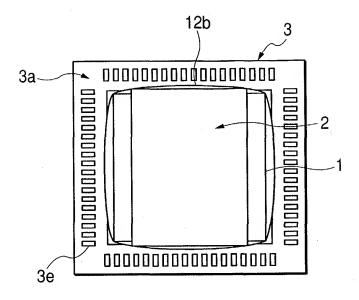
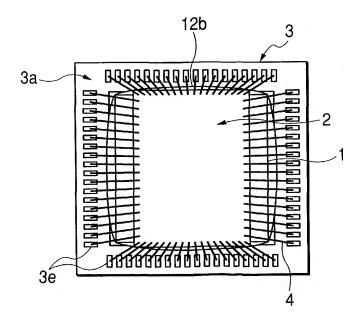


FIG. 26(b)



The second secon

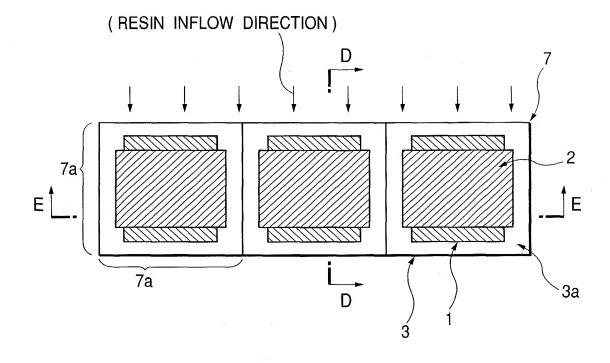


FIG. 29(a)

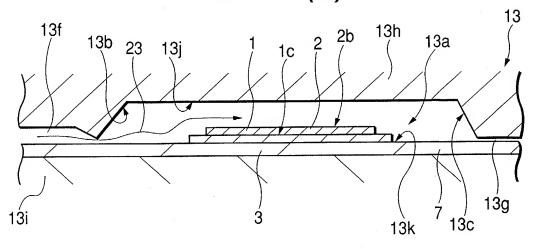
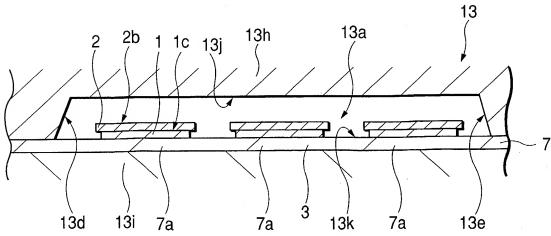


FIG. 29(b)



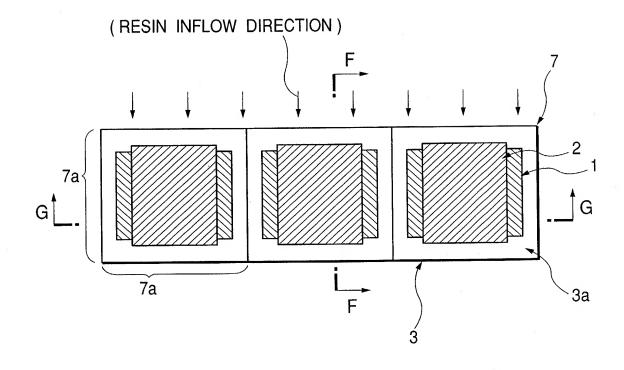


FIG. 31(a)

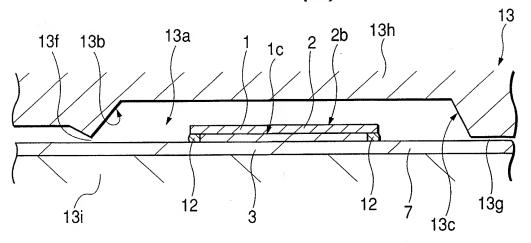


FIG. 31(b)

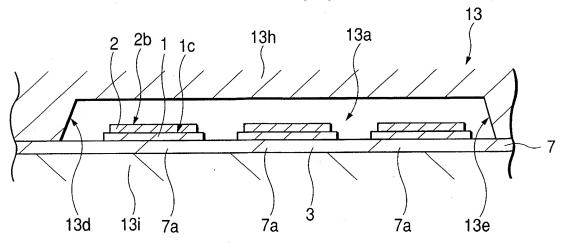
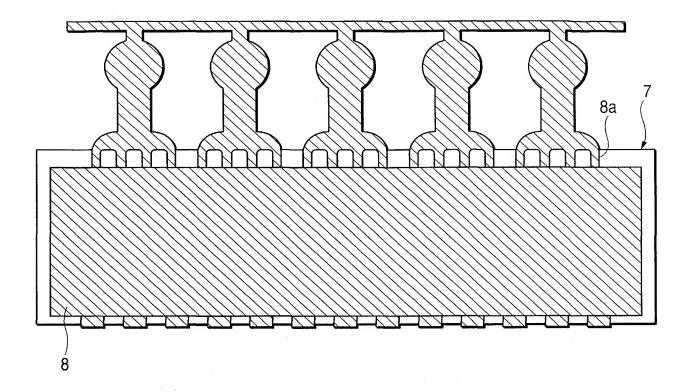


FIG. 32



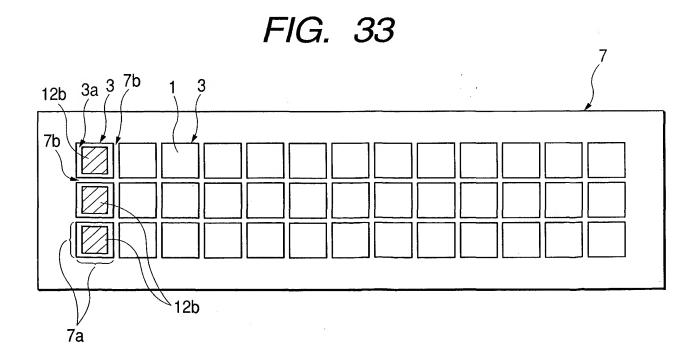
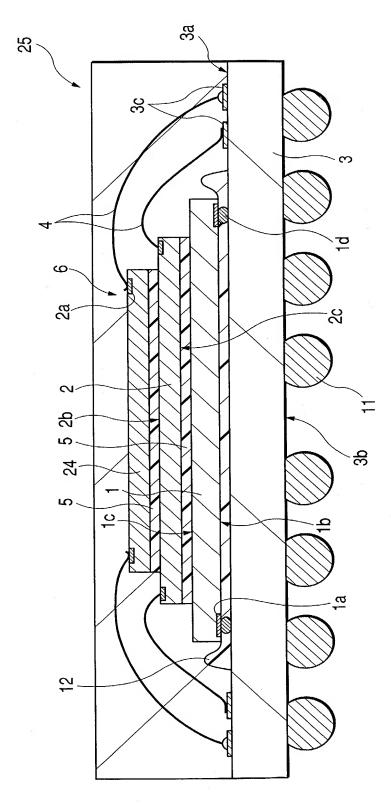
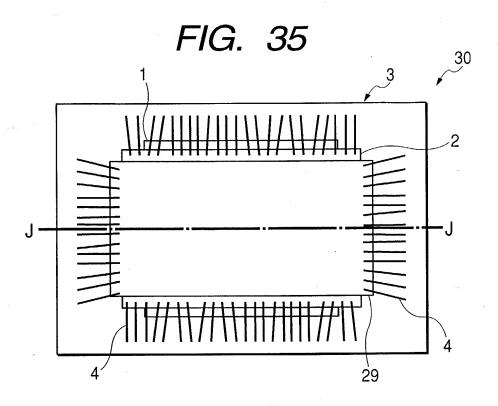


FIG. 34





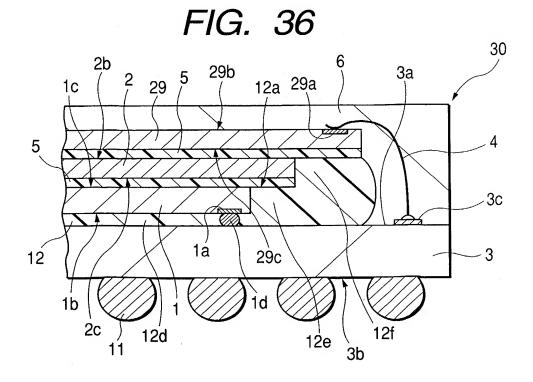


FIG. 37

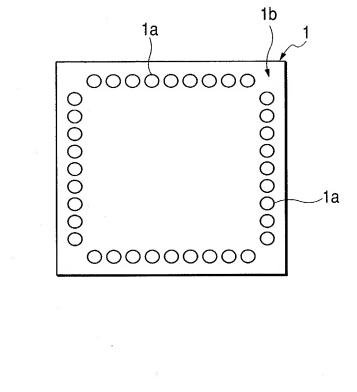


FIG. 38

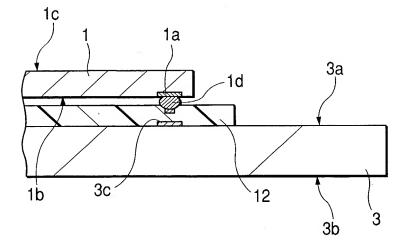


FIG. 39

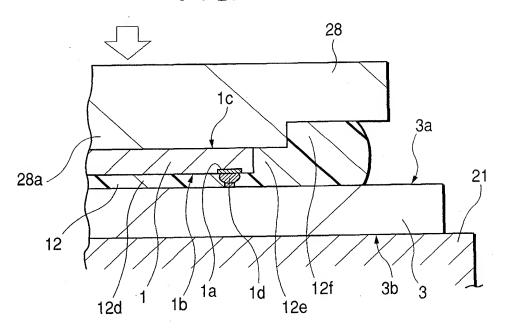


FIG. 40

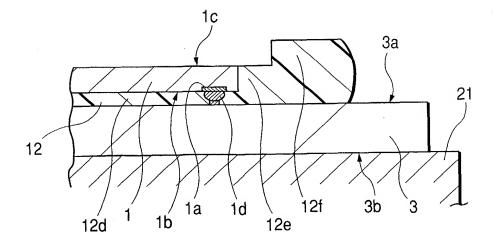


FIG. 41

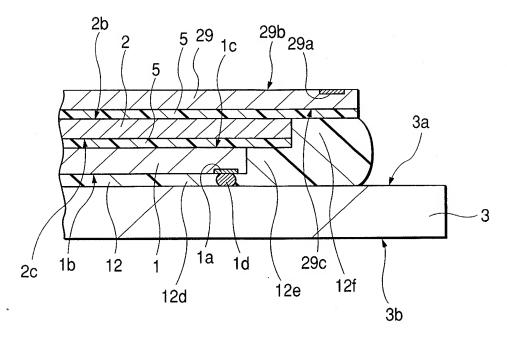


FIG. 42

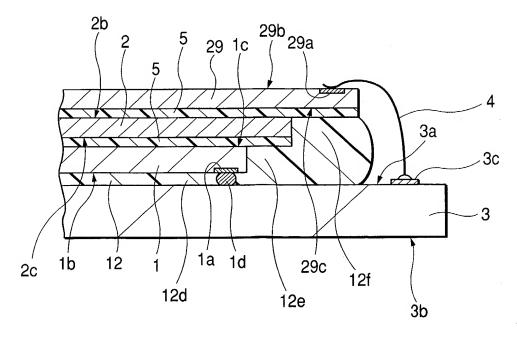


FIG. 43

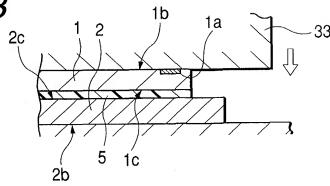


FIG. 44

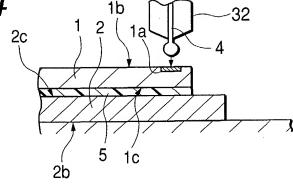
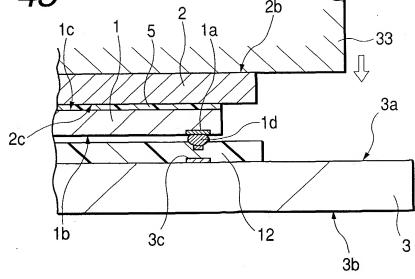


FIG. 45



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FIG. 46

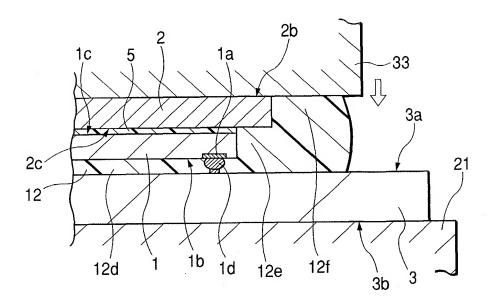


FIG. 47

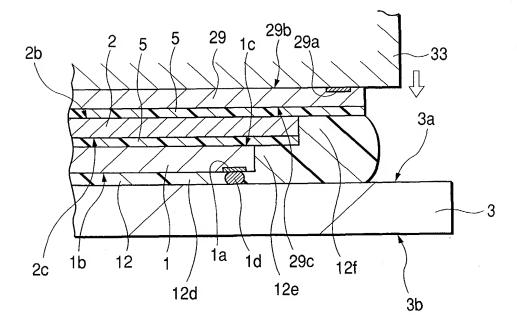


FIG. 48

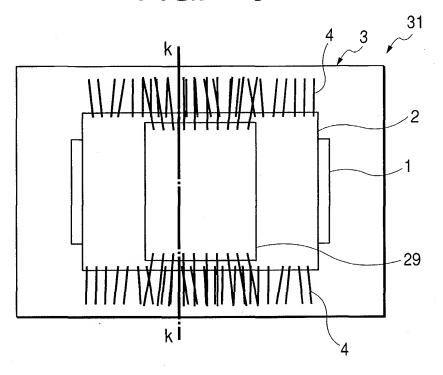


FIG. 49

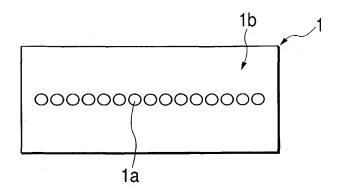


FIG. 50

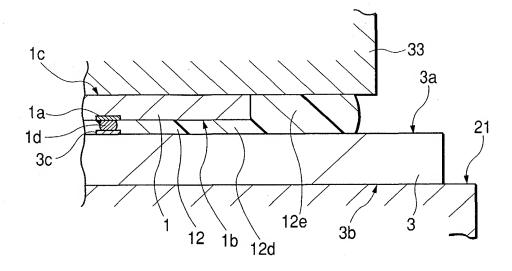


FIG. 51

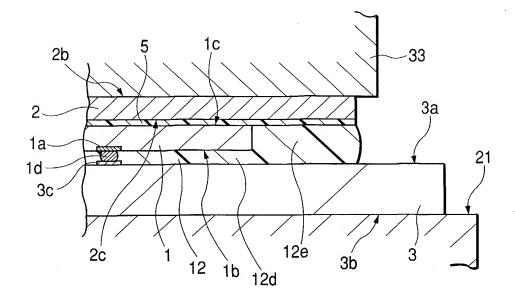


FIG. 52

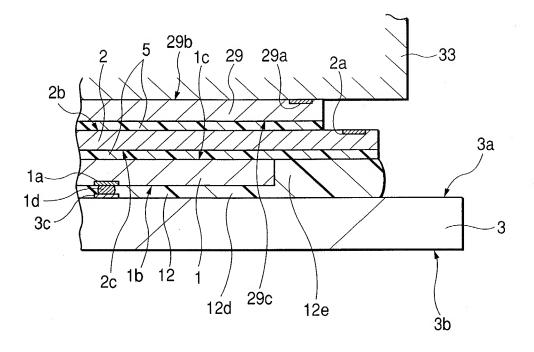


FIG. 53

